

LCAT Recombinant monoclonal antibody

Catalog Number: 86041-1-RR

Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
86041-1-RR	NM_008490.2	Protein A purification
Source:	GeneID (NCBI):	CloneNo.:
Rabbit	16816	250320E2
Isotype:	UNIPROT ID:	Recommended Dilutions:
IgG	P16301	WB: 1:2000-1:10000
Immunogen Catalog Number:	Full Name:	IHC: 1:500-1:2000
EG2756	lecithin cholesterol acyltransferase	
	Calculated MW:	
	50 kDa	
	Observed MW:	
	55-65 kDa	

Applications

Tested Applications:	Positive Controls:
WB, IHC, ELISA	WB : mouse blood, rat plasma
Species Specificity:	IHC : mouse liver tissue,
mouse, rat	
Note-IHC: suggested antigen retrieval with <i>TE buffer pH 9.0</i>; (*) Alternatively, antigen retrieval may be performed with <i>citrate buffer pH 6.0</i>	

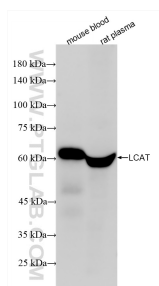
Background Information

LCAT (Lecithin-cholesterol acyltransferase) is a lipoprotein-associated enzyme responsible for the synthesis of most of the plasma cholesteryl esters (CE), and as a consequence, for the maturation of high density-lipoproteins (HDL). LCAT is a 416 amino acid protein that binds to lipoproteins or is present in lipid-free form in plasma and is secreted by the liver in humans (PMID: 34256778, 26607351). Both mice and rabbits transgenic for human LCAT have marked increases in plasma HDL cholesterol and apolipoprotein (apo) A-I levels (PMID: 9054454).

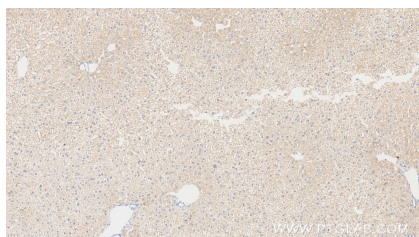
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

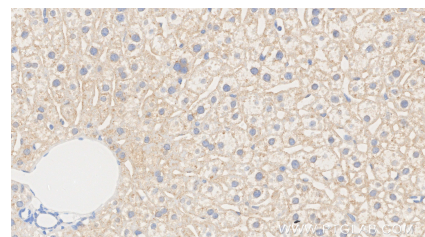
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86041-1-RR (LCAT antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 86041-1-RR (LCAT antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 86041-1-RR (LCAT antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).